

# Oughta Cost System

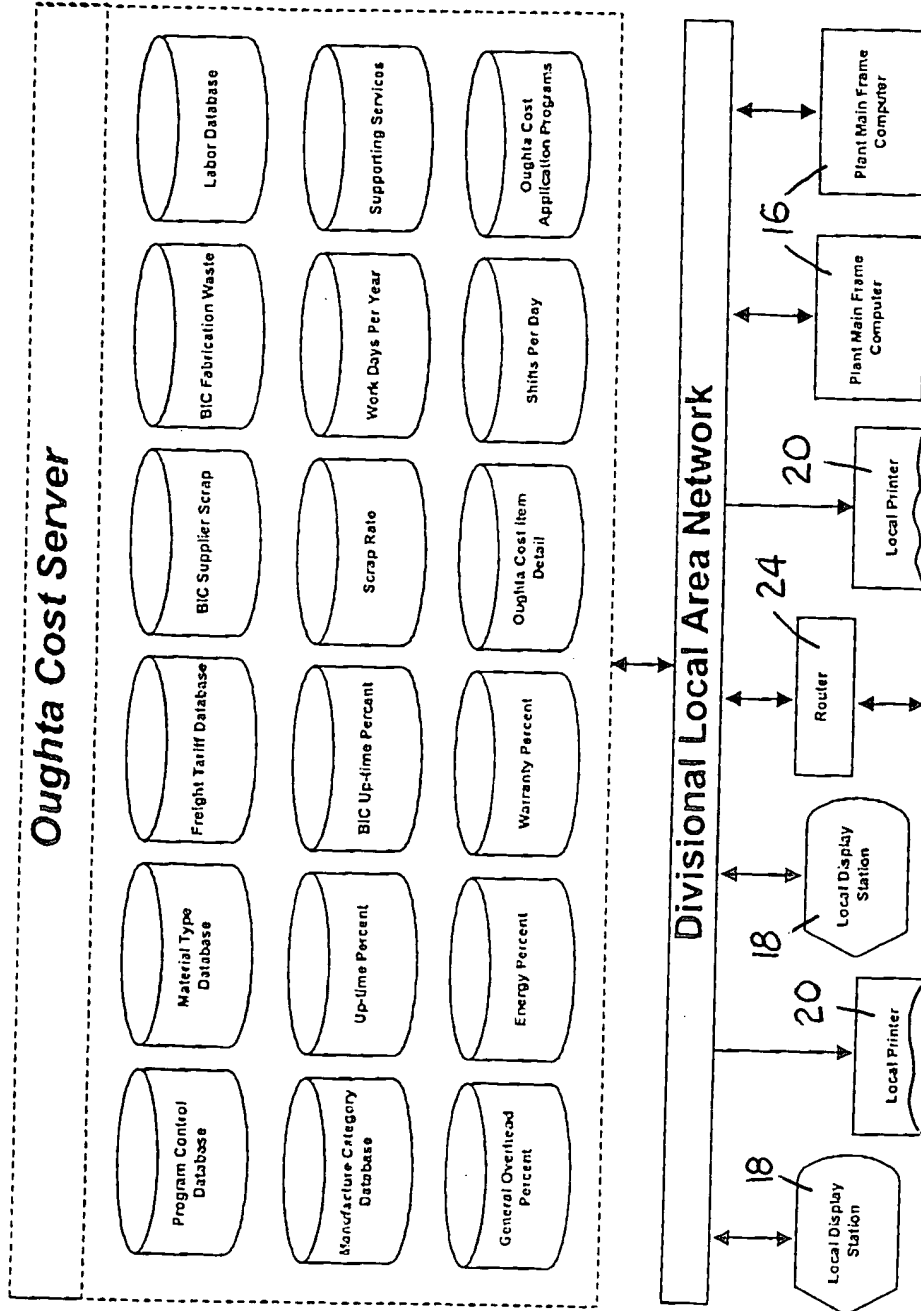


Fig 1A

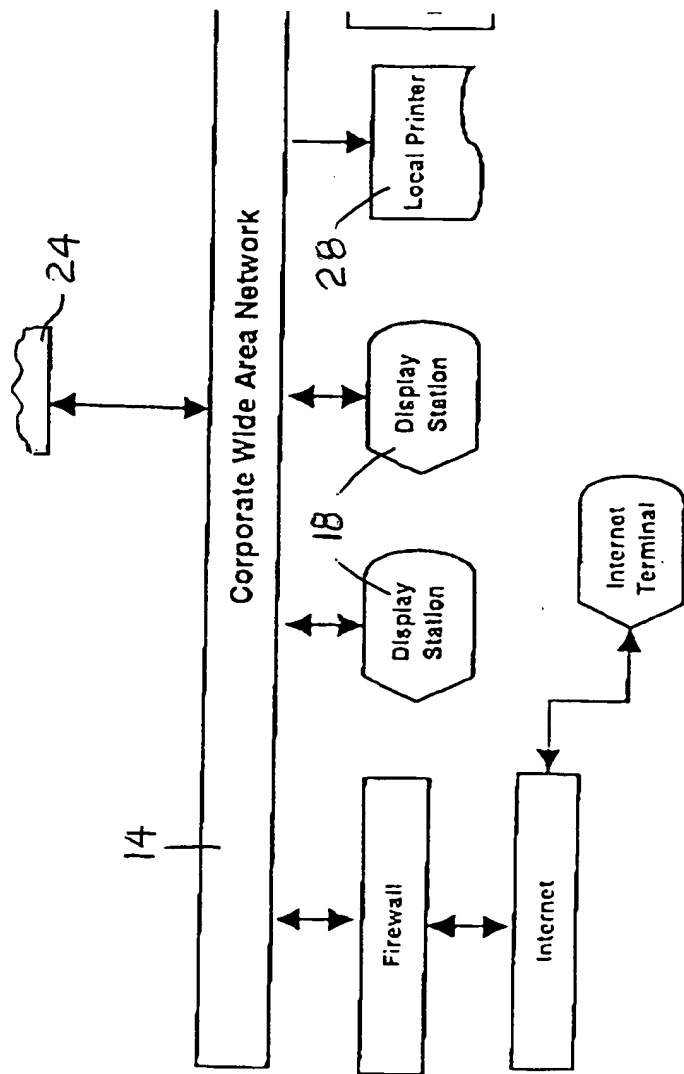


Fig 1B

# Oughta Cost System

Oughta Cost Search

## Existing Oughta Cost Studies

Program #	Description	Status	Owner
01122000001	New Crankshaft	Public	Ray Goss
10292000002	Machine New Head	Private	Bill Warren
01222001004	New Core Assembly Process	Public	Gary Denklau

Name of New Oughta Cost Study

Copy An Existing Study | Create New Study

Open  
Study  
Reports  
Exit

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DSD45

FIG 2

Material										Program # 02010100001   Component: Shaft   Component # 100   Status: Public																									
Material Type		Supplier Scrap:		Fabrication Waste:		<div> <div>Steel Forging</div> <div>Fine Blanked Steel</div> <div>Copper</div> <div>Tin</div> <div>Plastic</div> <div>Die Cast Aluminum</div> <div>Brass Bar Stock</div> <div>Plastic</div> <div>Bronze Bar Stock</div> <div>Nitralloy Steel Bar</div> </div>		Weight Needed		Returnable Containers		Dunnage																							
Freight		Origin		Destination		Mode		Material Cost \$		Cost \$		Rates/CWT \$																							
<div> <div>Cost Components</div> <div>-Material</div> <div>-Capital</div> <div>-Labor</div> <div>-Manufacturing</div> <div>-Overhead</div> <div>Reports</div> <div>Home</div> <div>Exit</div> </div>										<div> <div>Materials Table</div> <table border="1"> <thead> <tr> <th>Material Code</th> <th>Unit of Measure</th> <th>Category</th> <th>Description</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> </div>										Material Code	Unit of Measure	Category	Description												
Material Code	Unit of Measure	Category	Description																																
Comments										<div> <div> </div> <div> </div> </div>																									

Material		Program # 02010100001   Component: Shaft   Component # 100   Status: Public			
<ul style="list-style-type: none"> <li>Cost Components</li> <li>-Material</li> <li>-Capital</li> <li>-Labor</li> <li>-Manufacturing</li> <li>-Overhead</li> <li>Reports</li> <li>Home</li> <li>Exit</li> </ul>	Material Type	Steel Forging			
	Supplier Scrap:				
	Fabrication Waste:				
	Freight				
	Origin		Weight Needed		Returnable Containers
	Destination		Material Cost	\$	Dunnage
	Mode		Cost	\$	
			WT	\$	
Materials Table					
Material Code		Unit of Measure	Category	Description	
1-112-A		Ton	Forging	Steel Forging	
Comments					

FIG 4

Material

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Steel Forging

Supplier Scrap:

5.00%

Fabrication Waste:

5.00%

Freight

Origin

Destination

Mode

Light Needed

Material Cost

Cost

Returnable Containers

Dunnage

Rates/CWT

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging

Comments

FIG 5

Material									
Program # 02010100001   Component: Shaft   Component # 100   Status: Public									
Material Type		Steel Forging							
Supplier Scrap:		5.00%							
Fabrication Waste:		5.00%							
<div> <div>Cost Components</div> <div> <div>-Material</div> <div>-Capital</div> <div>-Labor</div> <div>-Manufacturing</div> <div>-Overhead</div> </div> <div>Reports</div> <div>Home</div> <div>Exit</div> </div>									
<div> <div>Freight</div> <div> <div>Origin</div> <div>Destination</div> <div>Mode</div> </div> <div> <div>New York</div> <div>California</div> <div> <div>Truck Load</div> <div>Less Than Truck Load</div> <div>Rail</div> <div>Boat</div> </div> </div> <div> <div>Total Weight Needed</div> <div>Total Material Cost</div> <div>Freight Cost</div> <div>Rates/CWT</div> </div> <div> <div>111</div> <div>\$</div> <div>\$</div> <div>\$</div> </div> <div> <div>Returnable Containers</div> <div>Dunnage</div> </div> </div>									
Materials Table									
Material Code		Unit of Measure		Category		Description			
1-112-A		Ton		Forging		Steel Forging			
Comments									

FIG 6

Material

Program # 02010100001 | Component: Shaft | Component # 100 | Status: Public

Material Type

Steel Forging

Supplier Scrap:

5.00%

Fabrication Waste:

5.00%

Freight

Origin

New York

Total Weight Needed

111

Returnable Containers

Y

Destination

California

Total Material Cost

\$51.06

Dunnage

Mode

Truck Load

Freight Cost

\$1.11

Rates/CWT

\$1.00

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Exit

Materials Table

Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging
Crankshaft for 2003 model year V8			

Comments

This study has only one component.

FIG 7



# Labor

- Cost Components
- Material
- Capital
- Labor
- Manufacturing
- Overhead
- Reports
- Home
- Save & Exit

Supporting Services:  Region:

Machining Type:  Skill Level:

Additional Labor \$:

Employee Type	Number Required	Operation # (OP #)	Default Labor Rate	Employee Benefit (% of Labor Rate)	Employee Benefits
<b>DIRECT LABOR</b>					
Machine Operators	3	10	\$11.00	50 %	\$5.50
Machine Operators	3	20	\$11.00		\$3.50
Assembly Test	0		\$9.00		\$3.50
<b>INDIRECT LABOR</b>					
Material Handling	5	10	\$8.00		\$4.00
Shipping	2	30	\$11.00		\$4.00
Receiving	2	05	\$8.00		\$4.00
Line Stocking	1	10	\$7.00		\$3.50
Material Scheduler	25		\$6.00		\$3.00
Inspection	25	20	\$8.00		\$4.00
Quality	25	20	\$9.00		\$4.50
Supervisor	1		\$14.00		\$4.00

FIG 8

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Capital

Cost Components

-Material

-Capital

-Labor

Manufacturing

-Overhead

Reports

Home

Program # 01122000003 | Component: Shaft | Component # 123456 | Status: Public

General Capital

Building Expansion

Qty

1

Item Category

Building

Depreciation

30 yrs

Capital \$

\$200,000

Add General Item

Machining Capital

Qty	Op #	Description	Category	Capital \$	Capital Depreciation	Tooling \$	Tooling Depreciation
1	10	Rough Machining	Machine Tool	\$25,000	5 yrs		
	10	Cutters	Tooling			\$800	1 yrs

Add Machining Item

Comments

Cancel

Help

FIG 9

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Manufacturing

Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Manufacturing Category

Uptime Current

Uptime World Class

Scrap Rate

Volume

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Transfer Line

50%

51%

52%

53%

54%

100%

per

Manufacturing Time

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

FIG 10

Manufacturing

Program # 011220000001 | Component: Shaft | Component # 123456 | Status: Public

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Manufacturing Category

Transfer Line

Uptime Current

Uptime World Class

Scrap Rate

Volume

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

50%

70%

75%

80%

85%

90%

95%

100%

per

Manufacturing Time

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

FIG 11

Manufacturing

Program # 011220000001

Component: Shaft

Component # 123456

Status: Public

Transfer Line

50%

90%

5.00%

5.10%

5.20%

5.30%

5.40%

5.50%

5.60%

5.70%

5.80%

5.90%

Uptime Current

Uptime World Class

Scrap Rate

Volume

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Home

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

FIG 12

FIG 13



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OverHead

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

Reports

Exit

Program # 01122000001 | Component: Shaft | Component # 123456 | Status: Public

Depreciation

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
TOTALS		\$225,800		\$12,467		\$7,634

Startup Costs

\$20,000

Engineering Support

\$10,000

Warranty Cost (% of Sales)

0.1%

Additional Expenses

0.1%

Cost Category

Cost Desc

0.2%

0.3%

0.4%

0.5%

Cost (\$)

Occurrence

Add Cost Category

Comments

FIG 15



# OverHead

- Cost Components
- Material
- Capital
- Labor
- Manufacturing
- Overhead
- Reports
- Exit

## Depreciation

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		<b>\$7,634</b>

Startup Costs

\$20,000

Engineering Support

\$10,000

Warranty Cost (% of Sales)

0.1%

## Additional Expenses

Cost Category	Cost Description	Cost (\$)	Occurrence
Pershaible Tooling			
MRO			
General Overhead			
Energy			
Other			

## Comments

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FIG 17

Reports



- Cost Components
  - Material
  - Capital
  - Labor
  - Manufacturing
  - Overhead
- Reports
- Home
- Exit

☒ Standard Report Package

- ☒ Material
- ☐ Labor
- ☐ Capital
- ☒ Manufacturing
- ☐ Overhead
- ☒ Summary

Select

Program:

Program Description:

Component Control #:

Component:

Selected Items:

12012000001

New Crankshaft

123456

Shaft

01122000001 New Crankshaft

- ☐ Print Preview
- ☐ Print
- ☐ Export to Access
- ☐ Export to Excel
- ☐ Inquiries

FIG 18